

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application

1 - 19 (Canceled)

20. (New) A device in which food can be heated by means of inductive coupling, comprising:
a winding body;
at least one secondary winding formed from a current conductor to which at least one heating element is connected; and
a casting means that mounts the secondary winding in the winding body and the insulating casting means having a coefficient of thermal expansion substantially corresponding to that of the winding body.
21. (New) A device for transferring energy into a device for heating food by means of induction comprising:
a primary winding formed from a current conductor and connectable to a voltage source;
a winding body; and
a casting means that mounts the primary winding in the winding body and the insulating casting means having a coefficient of thermal expansion substantially corresponding to that of the winding body.
22. (New) The device according to claim 20 and further comprising an electrically non-conducting protective layer having a small thickness disposed on the winding body, said layer having a coefficient of thermal expansion which substantially corresponds to that of the winding body.

23. (New) A device in which food can be heated by means of inductive coupling, comprising:
- a winding body;
- at least one secondary winding formed from a current conductor to which at least one heating element is connected; and
- an electrically non-conducting protective layer having a small thickness disposed on the winding body, said layer having a coefficient of thermal expansion which substantially corresponds to that of the winding body.
24. (New) A device for transferring energy into a device for heating food by means of induction comprising:
- a primary winding formed from a current conductor and connectable to a voltage source;
- a winding body; and
- an electrically non-conducting protective layer having a small thickness is disposed on the winding body, said layer having a coefficient of thermal expansion which substantially corresponds to that of the winding body.
25. (New) The device according to claim 20, wherein the winding body consists of ferrite.
26. (New) The device according to claim 20, wherein the coefficient of thermal expansion of the casting means is matched to the coefficient of thermal expansion of the winding body for a temperature range of 20°C to 150°C.
27. (New) The device according to claim 20, wherein the winding body has a recess in which the secondary winding is arranged.

28. (New) The device according to claim 20, wherein the winding body is rotationally symmetrical.
29. (New) The device according to claim 23, wherein the protective layer has a high material hardness.
30. (New) The device according to claim 23, wherein the protective layer is an amorphous hydrocarbon layer.
31. (New) The device according to claim 23, wherein the protective layer has a maximum thickness of 500 μm .
32. (New) The device according to claim 20, wherein the casting means comprises at least one of epoxy resin and polyamide.
33. (New) The device according to claim 20, wherein the casting means comprises filler especially made of ceramic.
34. (New) The device according to claim 20, wherein the heating element comprises at least one heating conductor having selected one of a meander-shaped and a bifilar spiral profile.
35. (New) The device according to claim 20 and further comprising thermal insulation disposed between the secondary winding and the heating element.
36. (New) The device according to claim 35, wherein the thermal insulation comprises vermiculite.
37. (New) The device according to claim 23, wherein the protective layer is a film arranged on the winding body.

38. (New) The device according to claim 23, wherein the protective layer consists of at least one of ceramic and polytetrafluoroethylene (PTFE).